

Form C-104
Rev. 2/01CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 070831-607 Job No. J6I2029 Date 11/20/2007
County ST LOUIS Route 270 Original Bid Cost \$607,607.60
Contractor COLLINS & HERMANN, INC. By MICHAEL S COLLINS
Designed By MODOT Phone (314) 869-8000
VECP 08-38

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

EMBANKMENT WIDENING AND SHAPING TO BE DELETED AND REPLACED WITH ADDITIONAL TYPE A RAIL AT 7' POST 3' 1.5" SPACING. THIS MATCHES WHAT WAS PERFORMED ON THE ORIGINAL CONTRACT PERFORMED BY MODOT. SHOULD LESSEN DISRUPTION CAUSED BY TRAFFIC COTNROL. EMBANKMENT AS ENVISIONED WILL SUBSTANTIALLY ALTER DRAINAGE AT SOME LOCATIONS

2. Estimate of reduction in construction costs. \$24,286.10
3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

NONE.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

12/10/2007

(date)

NEED TO ORDER ADDITIONAL 7' POST ASAP.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

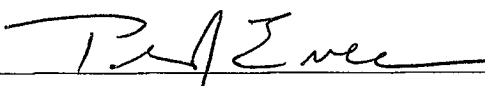
(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

ACCORDING TO AASHTO, GUARDRAIL PERFORMS MOST EFFECTIVELY WHEN INSTALLED ON SLOPES 1:10 OR FLATTER. THE WIDENING BEYOND THE GUARDRAIL IS DESIRED FOR ADEQUATE POST SUPPORT. ~~AND~~ I ALSO DON'T SEE HOW THIS WILL AFFECT DRAINAGE AS STATED BY PROPOSAL.


Submitted By Resident Engineer

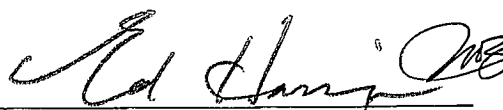
12/03/07
Date

Comments:

NOT ENOUGH INFORMATION TO GAIN UNDERSTANDING OF THE VE. RE SAID THIS WAS ALL THAT WAS GIVEN. AT THIS TIME CAN'T GIVE APPROVAL.

☐ Approval
Recommended

☒ Rejection
Recommended



District Engineer

12-10-07

Date

Comments:

Request more information on the proposed design so we may better analyze what is being proposed. However, it appears the concept to be valid.

☐ Approval

☒ Rejection

P221 for


State Operations Engineer

12/02/07

Date

Distribution:

Resident Engineer, District Operations Engineer, State Operations Engineer

*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☒ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Eliminated embankment widening by installing Type A guardrail with 7' posts spaced at 3'1.5" spacing.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

All